

Title (en)
COATING COMPOSITION FOR THERMOPLASTIC RESIN PARTICLES FOR FORMING FOAM CONTAINERS

Title (de)
BESCHICHTUNGSZUSAMMENSETZUNG FÜR THERMOPLASTISCHE HARZTEILCHEN ZUR HERSTELLUNG VON
SCHAUMSTOFFBEHÄLTERN

Title (fr)
COMPOSITION DE REVETEMENT POUR PARTICULES DE RESINE THERMOPLASTIQUE EN VUE DE LA FORMATION DE CONTENEUR DE
MOUSSE

Publication
EP 1590172 A4 20060329 (EN)

Application
EP 04707167 A 20040131

Priority
• US 2004002926 W 20040131
• US 44489703 P 20030204

Abstract (en)
[origin: WO2004069901A2] Expandable or pre-expanded thermoplastic particles, e.g. polystyrene particles, used to form foam containers e.g. cups, bowls, are coated with a coating composition comprising a liquid part consisting of a) liquid polyethylene glycol with an average molecular weight of 200 to 800; and a solid part comprising components selected from the group consisting of b) polyolefin wax, e.g. polyethylene wax, c) a metal salt of higher fatty acids, e.g. zinc stearate or calcium stearate; d) polyethylene glycol with an average molecular weight of 900 to 10,000; and e) a fatty bisamide or fatty amide, e.g. ethylene bis-stearamide; and combinations of b) through e). The coating composition prevents or resists leakage of liquids and foods with oil and/or fatty components and improves the rim strength and ATF properties of foam containers.

IPC 1-7
B32B 5/16; **C09D 201/08**; **C08L 91/06**; **C08L 93/00**

IPC 8 full level
B32B 5/16 (2006.01); **C08J 3/12** (2006.01); **C08J 7/04** (2006.01); **C08J 9/224** (2006.01); **C08L 1/00** (2006.01); **C08L 91/06** (2006.01); **C08L 93/00** (2006.01); **C09D 201/08** (2006.01)

IPC 8 main group level
C08J (2006.01)

CPC (source: EP KR US)
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• No further relevant documents disclosed
• See references of WO 2004069901A2

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